

1. (Currently amended) An apparatus for the extraction of organic compounds comprising:  
a container pressure vessel having a top, and a bottom, and side walls, the top having an opening with a first connector having an upflow and downflow side affixed creating a pressurized chamber;  
an incoming sample line with an inline filter attaching to the top of the pressure vessel with a first quick connect fitting;  
a sampling container inserted in the pressure vessel having a wide mouth opening in fluid communication with the top of the pressure vessel, a second quick connect fitting, and eyelet openings to attach the sampling container to a rack insertible in the pressure vessel; and,  
a gas line attached to the side of the pressure vessel by a third quick connect fitting to pressurize the pressure vessel.  
~~a sampling container inserted inside said container having an opening on one end with a third connector in contact with the first connector of the container allowing organic compounds to flow from the opening in the sampling container through the opening in the top.~~
2. (Cancel) An apparatus for the extraction of organic compounds as recited in claim 1 wherein said container is a pressure vessel with the sidewalls having an opening with a second connector having an up flow and down flow side affixed and wherein said top is removably attached to said sidewalls creating a pressurized chamber in said container.
3. (Cancel) An apparatus for the extraction of organic compounds as recited in claim 2 wherein said sampling container is a bag having a wide mouth opening with a cap on the end opposite said third connector, with eyelets affixed allowing said bag to be placed on a rack.
4. (Cancel) An apparatus for the extraction of organic compounds as recited in claim 3 wherein said container further comprises a filter attached to said top by a fourth connector in contact with said downflow side of said first connector allowing fluid flow between said container and said filter.
5. (Currently amended) An apparatus for the extraction of organic compounds as recited in claim 4 1 wherein said filter comprises:

a glass screen positioned between a first and second stainless steel mesh, creating a sandwich arrangement;  
first and second ~~Teflon~~ polytetrafluoroethylene blocks encasing said sandwich arrangement, and each of said first and second ~~Teflon~~ blocks having centered bore holes allowing fluid flow through said first and second ~~Teflon~~ blocks.

6. (Cancel) An apparatus for the extraction of organic compounds as recited in claim 1 wherein said container is constructed of stainless steel.

7. (Currently amended) An apparatus for the extraction of organic compounds as recited in claim 1 wherein ~~said bag~~ the sampling container is comprised of ~~tedlar~~ a polyvinylfluoride film and wherein ~~said~~ the wide mouth opening has a cap ~~has in~~ a threaded connection to ~~said bag~~ the sampling container.

8. (Original) The apparatus as recited in claim 1 wherein said container is constructed of stainless steel.

9. (Currently amended) The apparatus as recited in claim 8 1 wherein ~~said container~~ pressure vessel has an opening at the bottom with a piston inserted allowing manual operation of said piston from outside said ~~container~~ pressure vessel.

10. (Currently amended) The apparatus as recited in claim 9 1 wherein said sampling container is a ~~Teflon~~ polytetrafluoroethylene bottle.

11. (Currently amended) The apparatus as recited in claim 10 wherein said ~~Teflon~~ bottle has a wide mouth opening with a lid having a fifth ~~connector~~ quick connect fitting in contact with the ~~upflow side of said~~ first connector allowing organic compounds to flow from said ~~Teflon~~ bottle through said top.

12. (Currently amended) The apparatus as recited in claim 11 wherein said ~~container~~ pressure vessel further comprises a filter attached to said top by a fourth ~~connector~~ quick connect fitting in contact with ~~said downflow side of said first connector~~ quick connect fitting allowing fluid flow between said ~~container~~ pressure vessel and said filter.

13. (Cancel) The apparatus as recited in claim 12 wherein said filter comprises:  
a glass screen positioned between a first and second stainless steel mesh, creating a sandwich arrangement;  
first and second Teflon blocks encasing said sandwich arrangement, and each of said first and second Teflon blocks having centered bore holes allowing fluid flow through said first and second Teflon blocks.

14. (Currently amended) A method of zero headspace extracting of organic compounds comprising the steps of:

- (a) sampling said organic compound and placing said organic compound in a sampling container;
- (b) pressurizing said sampling container inside a ~~canister~~ pressure vessel having a top and a bottom and sidewalls, the top having an opening with a first quick connect fitting having an upflow and downflow side affixed with the sidewalls having an opening with a second quick connect fitting having an upflow and downflow side affixed and wherein said top is removably attached to said sidewalls creating a pressurized chamber in said pressure vessel and said sampling container having a third quick connect fitting connected to the upflow side of said first quick connect fitting of said pressure vessel.;
- (c) rotating said ~~canister~~ pressure vessel and sampling container;
- (d) pressurizing said sampling container by connecting a pressure line to a second quick connect fitting and introducing a pressure fluid to the chamber; and
- (e) filtering said organic compound into a second sampling container, wherein the filter comprises a glass screen positioned between a first and second stainless steel mesh, creating a sandwich arrangement, a first and second polytetrafluoroethylene block encasing the sandwich arrangement, each block having a centered bore hole allowing fluid flow through the first and second block.

15. (Cancel) The method as recited in claim 14 wherein said canister is a pressure vessel having a top and a bottom and side walls, the top having an opening with a first connector having an upflow and downflow side affixed with the sidewalls having an opening with a second connector having an up flow and down flow side affixed and wherein said top is removably attached to said sidewalls creating a pressurized chamber in said container and said sampling container having a third connector connected to the upflow side of said first connector of said pressure vessel.

16. (Cancel) The method as recited in claim 15 wherein said step of pressurizing said sampling container further comprises a pressure line being connected to said second connector and a pressure fluid being introduced into said pressurized chamber.

17. (Cancel) The method as recited in claim 16 wherein said container further comprises a filter attached to said top by a fourth connector in contact with said downflow side of said first connector allowing fluid flow between said sampling container and said filter.

18. (Cancel) The method as recited in claim 17 wherein said filter comprises a glass screen positioned between a first and second stainless steel mesh, creating a sandwich arrangement, first and second Teflon blocks encasing said sandwich arrangement, and each of said first and second Teflon blocks having centered bore holes allowing fluid flow through said

first and second Teflon blocks.

19. (Currently amended) The method as recited in claim ~~18~~ 14 wherein said step of pressurizing further comprises pressurizing said pressurized chamber until said organic compound is visible at said first ~~connector~~ quick connect fitting.

20. (Currently amended) The method as recited in claim ~~19~~ 14 wherein said step of rotating said ~~canister~~ pressure vessel and sampling container further comprises placing said pressure vessel in a rotator and pressure being extracted for a 18 hours.

21. (Currently amended) The method as recited in claim ~~20~~ 14 wherein said step of pressurizing said sampling container further comprises reintroducing a pressurizing fluid into said pressurized chamber.

22. (Currently amended) The method as recited in claim ~~21~~ 14 wherein said step of filtering said organic compound into a second sampling container further comprises attaching a second sampling container to said filter at a fifth ~~connector~~ quick connect fitting whereby when said pressurized fluid is reintroduced into said pressurized chamber said organic compound flows through said filter into said second sampling container.

23. (Currently amended) The method as recited in claim ~~21~~ 14 wherein said sampling container is a ~~tedlar~~ polyvinylfluoride film bag having said third ~~connector~~ quick connect fitting on one end and a wide mouth opening with a threaded cap on the other end.

24. (Currently amended) The method as recited in claim ~~23~~ 14 wherein said ~~container~~ pressure vessel is a stainless steel canister having a ~~top and a bottom, said top having a first connector having an upflow and down flow side affixed, and an opening at the bottom with a piston inserted and in contact with said sampling container.~~

25. (Currently amended) The method as recited in claim ~~24~~ 14 wherein said step of pressurizing said sampling container inside a ~~canister~~ pressure vessel further comprises tying a cord or string around said sampling container and operating said piston to cause it to compress said sampling container in a uniform manner until said organic compound is visible at said first ~~connector~~ quick connect fitting.

26. (Currently amended) The method as recited in claim ~~25~~ 14 wherein said step of rotating said ~~canister~~ pressure vessel and sampling container further comprises placing said canister in a rotator 18 hours.

27. (Cancel) The method as recited in claim 26 wherein said canister further comprises a filter attached to said top by a fourth connector in contact with said downflow side of said first connector allowing fluid flow between said sampling container and said filter.

28. (Cancel) The method as recited in claim 27 wherein said filter comprises a glass

screen positioned between a first and second stainless steel mesh, creating a sandwich arrangement, first and second Teflon blocks encasing said sandwich arrangement, and each of said first and second Teflon blocks having centered bore holes allowing fluid flow through said first and second Teflon blocks.

29. (Cancel) The method as recited in claim 28 wherein said step of filtering said organic compound into a second sampling container further comprises attaching a second sampling container to said filter at a fifth connector whereby when said piston compresses said sampling container said organic compound flows through said filter into said second sampling container.

30. (Currently amended) The method as recited in claim ~~29~~ 14 wherein said sampling container is a Teflon polytetrafluoroethylene bottle.